

IN THE CLAIMS:

Please amend claims 1, 10, 15 and 39 to appear as follows:

1. A method for converting direct current (DC) electrical voltage from a DC power source to an alternating current (AC) voltage, comprising:

controlling DC power from the DC power source, wherein the DC power source provides varying DC voltage;

controlling DC power from a battery based on DC power available from the DC power source;

maintaining a substantially constant DC voltage on a DC bus; and

inverting the DC voltage from the DC bus to the AC voltage.

10. A method for converting direct current (DC) electrical voltage from a DC power source to an alternating current (AC) voltage, comprising:

controlling DC power from the DC power source, wherein the DC power source provides varying DC voltage;

providing DC power to a battery based on DC power available from the DC power source;

controlling power from the battery;

maintaining a substantially constant DC voltage on a DC bus; and

inverting the DC voltage from the DC bus to the AC voltage.

13 15. A system for converting DC electrical voltage from a DC power source to an AC voltage, wherein the DC power source provides varying DC voltage, the system comprising:

a DC-to-AC inverter;

a DC bus coupled to the DC-to-AC inverter;

a converter coupled to the DC bus and to the DC power source that regulates power from the DC power source;

a battery; and

a device coupled to the battery and to the converter, wherein the device controls the flow of current to and from the battery, and wherein power is controlled from the battery based on DC power available from the DC power source.

14 39. A device for converting electrical voltage from a fuel cell to an AC voltage, comprising:

a DC bus;

an inverter coupled to the DC bus, wherein the inverter converts DC voltage from the DC bus to an AC voltage;

a battery;

a device coupled to the battery and to the DC bus, wherein the device controls the flow of current to and from the battery, and wherein power is controlled from the battery based on DC power available from DC power source; and

a boost converter coupled to the fuel cell, wherein the boost converter maintains a substantially constant DC voltage on the DC bus by regulating power from the fuel cell, and wherein the boost converter provides a charging current to the battery, and wherein the boost converter protects current from flowing to the fuel cell.